**CONSUMER ACCESS DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>HEIGHT</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top of Monitor</td>
<td>1284 mm (50&quot;)</td>
<td>198 mm (7¾&quot;)</td>
</tr>
<tr>
<td>Top Function Key</td>
<td>1200 mm (47&quot;)</td>
<td>146 mm (5¾&quot;)</td>
</tr>
<tr>
<td>Receipt Printer</td>
<td>1001 mm (39¾&quot;)</td>
<td>111 mm (4&quot;)</td>
</tr>
<tr>
<td>Advanced Function Dispenser</td>
<td>811 mm (31&quot;)</td>
<td>0 (°)</td>
</tr>
<tr>
<td>Card Reader</td>
<td>1001 mm (39¾&quot;)</td>
<td>111 mm (4&quot;)</td>
</tr>
</tbody>
</table>

**NOTE 2 - WALL OPENING HEIGHT**

- Hold this dimension to meet optimum access requirements.
- Dimension greater than 594 mm (23") will exceed recommended customer reach and not meet access requirement guidelines.

**NOTE 1**

Inside floor level must be the same as outside sidewalk level for optimum access. If inside floor is higher or lower than outside dimension, for locating wall opening will have to be adjusted accordingly and optimum access requirements will not be met.

Consult with Diebold Installation/Service Branch for additional details and information. Please see Planning and Site Preparation Guide TP-820717-001.
**Power Requirements:**
The ATM requires a single-phase, three-wire unswitched power receptacle. Wiring to the receptacle must include a 15-Ampere earth ground (Conduit ground is not acceptable). The ATM will provide a power cord with a country specific power plug. The power supplied must be as specified below:

- **200-240 VAC (±10%) at 50 (±1%) Hz, Single-Phase**
  - 100-127 VAC (±10%) at 60 (±1%) Hz, Single-Phase
  - 100-127 VAC (±10%) at 50 (±1%) Hz, Single-Phase
  - 200-240 VAC (±10%) at 50 (±1%) Hz, Single-Phase

**Power to the ATM** is to be a dedicated service and must be protected by a safety quick-disconnect device to break line voltage (such as a circuit breaker) at the electrical service panel. The quick-disconnect device (or circuit breaker) must turn off the line voltage at the following amperage:

- 100-127 VAC (±10%) Service, Disconnect at 20 Amps.
- 200-240 VAC (±10%) Service, Disconnect at 10 Amps.

The module bulk power supply and processor power supply will provide power conditioning to prevent the terminal from malfunctioning due to short-term AC power fluctuations as outlined in EN61000-4-11.

**Power Usage:**

<table>
<thead>
<tr>
<th>Machine Status</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idle (No Transaction)</td>
<td>150 Watts</td>
<td>229 Watts</td>
</tr>
<tr>
<td>Transaction (Dispense or Bulk Note) in Progress</td>
<td>285 Watts</td>
<td>349 Watts</td>
</tr>
<tr>
<td>Rapid Processing Transaction in Progress</td>
<td>559 Watts</td>
<td>614 Watts</td>
</tr>
</tbody>
</table>

**Configuration:**

1. Processor, color LCD consumer display, motorized card reader, printer, 80mm thermal receipt printer, and high A/D.
2. Processor, SVI LCD consumer display, motorized card reader, printer, 80mm thermal receipt printer, and high A/D.
3. Rapid processing. Systems configured for dual, TangoS EIM (Intelligent Depository Module) and EMA (Enhanced Note Acceptor) or EIM and BNA (Bulk Note Acceptor) operations.

The power use depends on the number and type of devices present in the ATM and the type of transaction the ATM is performing.

**Heat Output Configuration:**

1. 971 BTU/hr idle dispensing
2. 648 BTU/hr idle
3. 1,875 BTU/hr rapid processing
4. 1,190 BTU/hr bulk note accepting
5. 781 BTU/hr rapid processing

**Operating Environment:**

<table>
<thead>
<tr>
<th>Safe Location</th>
<th>105°F to 35°F (30°C to 100°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity (Non-Condensing)</td>
<td>20 to 80% at 32°F (90°F), 20 to 55% at 38°C (100°F)</td>
</tr>
</tbody>
</table>

**Weight of Unit:**

1,000 kg (2,200 lbs.)

**Signal Cable Installation Constraints:**

Relaxing care is required when installing signal cables in conduits. Unlike power and lighting cable, signal cables have conductors and light insulation and will not withstand as much strain in installation.

**Conduit and Junction Box Requirements:**

1. 25mm (1") metal conduit from alarm control cabinet to junction box to 102mm (4") Sq. X 54mm (2") deep junction box (all by owner's e.c.). Dugout to provide flat cover with tamper switch.

2. When "Securomatic" after hour depository is to be connected to cash dispenser, owner's e.c. to run 19mm (3/4") metal conduit from 102mm (4") Sq. X 54mm (2") deep junction box to after hour depository.

3. Owner's e.c. to run 19mm (3/4") flexible metal conduit from junction box to cable connection plate.

4. 19mm (3/4") metal conduit and switch/switched electrical supply to 102mm (4") Sq. X 54mm (2") deep junction box with receptacle within 2210mm (7'0") of side connecting plate. Bottom connection must be compensated accordingly (all by owner's e.c.) (see power requirements).

5. Owner's e.c. to supply compatible receptacle for country specific plug-in connector supplied with unit. Power cord length 2146mm (7'0") from side of unit.

**NOTE:** Junction boxes must be located within 2210mm (7'0") of connecting plate. Length of electrical power cable provided with unit). Locate in an easily accessible area.

**Boxes can be flush mounted with concealed conduit for new construction or boxes can be surface mounted with exposed conduit for existing construction.**

**Physical Security:**

The U.L. listed safe is equipped with a basic alarm sensor package. The basic package includes a safe door open switch, alarm shunting switch, and rate-of-rise heat sensor.

**Alarm Protection:**

The U.L. listed safe is equipped with an alarm sensor package that includes a safe open switch, alarm shunting switch, and rate-of-rise heat sensor.

**Signal Cable Run Constraints:**

The following chart denotes the physical spacing requirements of the signal cable run with respect to other power and electrical equipment cable run.

<table>
<thead>
<tr>
<th>Type of Electrical Run</th>
<th>Separation from Other Cables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Below 2 kVA</td>
<td>127mm (5&quot;)</td>
</tr>
<tr>
<td>2.5 kVA</td>
<td>127mm (5&quot;)</td>
</tr>
<tr>
<td>Above 5 kVA</td>
<td>127mm (5&quot;)</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Type of Electrical Run</th>
<th>Separation from Other Cables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorescent, neon or incandescent lighting fixtures</td>
<td>127mm (5&quot;)</td>
</tr>
<tr>
<td>Unshielded power line or electrical equipment</td>
<td>127mm (5&quot;)</td>
</tr>
<tr>
<td>Unshielded power lines or electrical equipment with signal cables enclosed in grounded conduit</td>
<td>84mm (3.3&quot;)</td>
</tr>
<tr>
<td>Power lines in grounded conduit with signal cables in grounded conduit</td>
<td>34mm (1.3&quot;)</td>
</tr>
</tbody>
</table>

**Signal Cable Installation Constraints:**

Relative care is required when installing signal cables in conduits. Unlike power and lighting cable, signal cables have conductors and light insulation and will not withstand as much strain in installation.
WALL OPENING DETAIL

NOTE 2 - WALL OPENING HEIGHT
HOLD THIS DIMENSION TO MEET OPTIMUM ACCESS REQUIREMENTS. DIMENSION GREATER THAN 694mm (23 3/8") WILL EXCEED RECOMMENDED CUSTOMER REACH AND NOT MEET ACCESS REQUIREMENT GUIDELINES.

NOTE 1
INSIDE FLOOR LEVEL MUST BE THE SAME AS OUTSIDE SIDEWALK LEVEL FOR OPTIMUM ACCESS. IF INSIDE FLOOR IS HIGHER OR LOWER THAN OUTSIDE, DIMENSION FOR LOCATING WALL OPENING WILL HAVE TO BE ADJUSTED ACCORDINGLY AND OPTIMUM ACCESS REQUIREMENTS WILL NOT BE MET.

FILE NO. 177-468 REV. 6

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CABLE ENTRY NOTE:

POWER CABLE PLATE

NOTES:
SECURELY ANCHORING THE TERMINAL TO FLOOR:
FOR PROPER SECURITY, IT IS REQUIRED THAT THE TERMINAL SAFE BE SECURED TO THE FLOOR WITH ANCHOR BOLTS. USE THE FOLLOWING GUIDELINES TO DETERMINE THE ANCHORING METHOD FOR THE TERMINAL:

TO COMPLY WITH THE EUROPEAN STANDARD EN 1143-1 REGULATIONS, ANCHORING A CEN SAFE TO A WOOD FLOOR IS NOT PERMITTED. A CEN SAFE CAN ONLY BE ANCHORED TO A CONCRETE OR STEEL FLOOR.

M20 ANCHOR BOLTS PROVIDED BY DIEBOLD MEETS/EXCEEDS THE FOLLOWING CEN ANCHORING STRENGTH REQUIREMENTS WHEN PROPERLY INSTALLED:
CEN I, II, III: 50 kN (PULLOUT FORCE)
CEN IV: 100 kN (PULLOUT FORCE)

ANCHORING SAFE TO STEEL FLOORS:
TERTIALS INSTALLED ON STEEL FLOORS CAN ALSO BE SECURED BY A MACHINE-THREADED NUT AND BOLT METHOD. IT IS PREFERABLE THAT THE HARDWARE BE ATTACHED THROUGH SUPPORTING STEEL POSTS OR BEAMS FOR MAXIMUM HOLDING CAPACITY. ADDITIONALLY, THIS HARDWARE MUST ATTACH TO A LOCALLY FABRICATED REINFORCEMENT PLATE INSTALLED UNDERNEATH THE FLOOR TO PROVIDE ADDITIONAL STRENGTH. THE STEEL BACKING PLATE THICKNESS MUST BE AT LEAST 13mm (1/2""). THE MACHINE-THREADED NUT AND BOLT MUST BE USED IN ALL AVAILABLE SAFE ANCHOR HOLES.

NOTE:
SHOWN IS THE MINIMUM/RECOMMENDED AREA REQUIRED FOR INSTALLATION AND SERVICE. DIMENSIONS SHOWN MAY BE INCREASED WHEREVER POSSIBLE TO IMPROVE INSTALLATION AND SERVICE ACCESS. USE OF ANY AREA LESS THAN THE RECOMMENDED AREA MAY RESULT IN AN INCREASE IN INSTALLATION AND SERVICE TIME. CONSULT WITH DIEBOLD INSTALLATION/SERVICE BRANCH FOR SPECIAL BUILDING CONDITIONS.

DIMENSIONS IN MILLIMETRES
DIMENSIONS IN INCHES

PLANN/SECTION SAFE FLOOR

1 (5) 40mm (1 5/8") DIA. RECESS
18mm (5/8") RECESS DEPTH
22mm (7/8") DIA. THROUGH-HOLE

2 (1) 65mm (2 1/2") DIA. RECESS
18mm (5/8") RECESS DEPTH
22mm (7/8") DIA. THROUGH-HOLE
RECESS FOR SNAP-OFF DETECTOR

MINIMUM SERVICE AREA
RECOMMENDED SERVICE AREA
ALL ELECTRICAL AND DATA CABLES MUST ENTER UNIT IN THIS AREA